

DEI + $(\text{NH}_4)_2\text{SO}_4$ ppt.

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an to continue with purification - following the ~~old~~ ^{new} protocol as for wild type Tne - p.108-9

$$11 - 6.8 \text{ mL} \quad (.05)(6.8) = 2\text{M} \times \quad x = 174 \mu\text{L} \text{ of } 2\text{M KCl}$$

$$5' \text{exo} - 4.8 \text{ mL } 3.8 \quad (.05)(4.8 + x) = 2\text{M} \times \quad x = 97.4 \mu\text{L} \text{ of } 2\text{M KCl}$$

$$(.40)(6.8 + x) = 10\% \times$$

$$291 \mu\text{L} = x \quad x = 291 \mu\text{L } 10\% \text{ DEI}$$

$$(.40)(3.9 + x) = 10\% \times$$

$$163 \mu\text{L} = x \quad x = 163 \mu\text{L of } 10\% \text{ DEI}$$

Make each a Anal 50 mM KCl slowly add ~~DEI~~ a 10% DEI sol'n to a Anal [3] of .4%. vortex - let shake 30 minutes @ 4°C. spin in 2 mL eppendorf in micro-centrifuge 20 minutes @ 4°C - Save Supernatant.

60% $(\text{NH}_4)_2\text{SO}_4$ fractionation

$$\text{TYI} \quad \frac{36 \text{ g solid}}{100 \text{ mL}} = \frac{x}{4.8 \text{ mL}} \quad 2.45 \text{ g}$$

$$3' - 5' \text{exo} - \quad \frac{36 \text{ g}}{100 \text{ mL}} = \frac{x}{3.5 \text{ mL}} \quad 1.26 \text{ g}$$

vortex - let shake 30 min @ 4°C
spin in 55-34 - 20,000 x g -
Decant + Save Supernatant - pellet's

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Used & Understood by m ,

Man forgo

Date

6/20/55

Invented by

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Date

06/16/95

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Bump Heparin with 5 M NaOH - wash w/ H₂O extensive
 Equilibrate w/ Buffer A

Buffer A - Heparin -

Buffer B - Heparin

25mM Tris pH 7.4

10% glycerol

5mM Bne

.1mM PMSF

.1mM EDTA

10mM KCl

conductivity - 1.2mS

A.S.

25mM Tris pH 7.4

10% glycerol

5mM Bne

.1mM PMSF

.1mM EDTA

1.5M KCl

T1-1 - Dissolve Pellet in 10mL of Buffer A

4.5mS - conduct

Add 30 mL additional of Buffer A

2.1mS - conduct

Load 9 35mL on 2mL TBSO Heparin @ .75mL/min
 collect flow through material - wash to base line -

Gradient Program - D - 100% B @ .5mL/min - 20mL linear g
 wash 100% B - 10mL - @ .5mL/min
 collect 500 μ L fractions -

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6/20/25

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6/15/95

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Mtx Rxn

Stock

For 20 mL

SMTAPS

1 mL

50 mM $MgCl_2$ 800 μ L

2M KCl

500 μ L

1 M DTT

200 μ L

10 mM dNTPs

400 μ L

act. Salmon testes

5 mL

(2.1)

- 1.1 mL dCTP
vial

20 mLs

Aliquot 500 μ L / tube store in -20°C freezer - yellow tubes -

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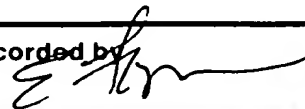
Invent d by

Date

May Long

6/20/95

Recorded by



6/16/95

Project No. _____

Book No. _____

TITLE

Heparin - FY-1

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06/15

SAM

CPM1

EX

FY-1

| | |
|----|-------------|
| 1 | 115552.0052 |
| 2 | 53328.0054 |
| 3 | 9146.0056 |
| 4 | 4556.0058 |
| 5 | 1260.0059 |
| 6 | 3744.0060 |
| 7 | 1028.0061 |
| 8 | 574.0062 |
| 9 | 536.0063 |
| 10 | 346.0064 |
| 11 | 730.0065 |
| 12 | 438.0066 |
| 13 | 348.0067 |
| 14 | 21268.0068 |
| 15 | 668.0069 |
| 16 | 372.0070 |
| 17 | 866.0071 |
| 18 | 74836.0072 |
| 19 | 146.0073 |

Pool 49-55 dialyze O/N in Queso Buffer A

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60

70

80

90

100

Pharmacia LKB Biotechnology

24 µl Rxn
1 µl pack
Sample -
incubate @
in 8' - qu
w/ 10 µl of S
EDTA - SP
20 µl on 6
wash
5' 1x 10' TCI
3' 3x 5' T.
2x 5' to
dry + cou
econoflow

Pool - 49
dialyze O/
in again
Queso Buf
See p. 144

11/11/95

Witnessed & Understood by m ,

Mar Longo

Date

4/20/95

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06/16/95

Page No.

Hepain 3-5 cto mutant

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age No. _____

06/15

0806/N50/98109/8.93

The 3-5 cto mutant

SAM

CPM1

| | | |
|----|-----------|------|
| 1 | 266.00 | 20 |
| 2 | 324.00 | 23 |
| 3 | 1126.00 | 24 |
| 4 | 24684.00 | 26 |
| 5 | 33768.00 | 28 |
| 6 | 111394.00 | 30 |
| 7 | 78652.00 | 32 |
| 8 | 29724.00 | 34 |
| 9 | 8666.00 | 36 |
| 10 | 54.00 | 38 |
| 11 | 2912.00 | 39 |
| 12 | 1402.00 | 40 |
| 13 | 13900.00 | Load |
| 14 | 212.00 | 8 |

Pool-
25-35

24 μ l mix
1 μ l fraction
Sample -
incubate @
74°C 8 min -
quench w/
10 μ l g. SM
EDTA -
Spot 20 μ l
on 6 FIC
uban -
1x 10% TCA
17-Pi

3x 5% TCA
2x EtOH
dry +
count -

Pool-25-35
dialyze 4 hrs
in QLSO
Buffer A -
see p. 143

my 6/20/95 27

56/15/95

technology

Code No. 18-1001-44

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Date

Inv nt d by

Date

May 16/95

6/20/95

Recorded by

6/16/95